Author Index

Ambrose, M.W., see Wyde, P.R., 15 Amicucci, P., see Dianzani, F., 299 Antonelli, G., see Dianzani, F., 299 Antonelli, G., see Ruggiero, V., 77

Baba, M., see Nakashima, H., 233
Balzarini, J., Herdewijn, P. and De Clercq, E.
Potentiating effect of ribavirin on the anti-retrovirus activity of 3'-azido2,6-diaminopurine-2',3'-dideoxyriboside in vitro and in vivo,
161

161
Bernstein, D.I., see Starberry, L.R., 215
Bernstein, D.I., see Reuman, P.D., 27
Brisebois, J.J., Dumas, V.M. and Joncas, J.H.
Comparison of two methods in the determination of the sensitivity of 84 herpes simplex virus (HSV) type 1 and 2 clinical isolates to acyclovir and alpha-interferon, 67
Brjantseva, E.A., see Kubar, O.I., 313
Brown, J.W., see Pontani, D.R., 119
Burke, R.L., see Starberry, L.R. 215
Burns, M., see Herrmann, J.E., 127

Capobianchi, M.R., see Dianzani, F., 299 Chang, R.S., see Tabba, H.D., 263 Collins, P., see Zwartouw, H.T., 279 Conciatori, G., see Ruggiero, V., 77

Davarsky, K.A., see Schuster, G., 307
De Clercq, E., see Balzarini, J., 161
De Clercq, E., see Nakashima, H., 233
De Man, R.A., Lindemans, J., Schalm, S.W. and Ten Kate, F.J.W.
β₂-Microglobulin and antiviral therapy for chronic hepatitis type B, 181
De Marco, F., see Dianzani, F., 299
Debs, R.J., see Shanley, J.D., 99
Dianzani, F., Capobianchi, M.R., Antonelli, G., Amicucci, P. and De Marco, F.
Susceptibility of human immunodefidiency virus to antiviral agents measured by infectious virus yield reduction (Short Communication), 299

Dianzani, F., see Ruggiero, V., 77 Divizia, M., see Superti, F., 247 Dumas, V.M., see Brisebois, J.J., 67

Ennis, F.A., see Herrmann, J.E., 127

Farkas, I., see Nagy, P.D., 41 Frazer, J., see Garcon, N.M., 89 Fujimaki, M., see Hattori, T., 255
Fukuchi, K., Sakagami, H., Okuda, T., Hatano, T., Tanuma, S.-i., Ynoue, Y., Inoue, S., Ichikawa, S., Nonoyama, M. and Konno, K.
Inhibition of herpes simplex virus infection by tannins and related compounds, 285

Gáborjányi, R., see Nagy, P.D., 41
Gabrieli, R., see Superti, F., 247
Garcon, N.M., Six, H.R., Frazer, J., Hazlewood, C., Gilbert, B.E. and Knight, V.
Liposomes of enviroxime and phosphatidylcholine: definition of the drug-phospholipid interactions, 89
Gentile, M., see Ruggiero, V., 77
Gilbert, B.E., see Garcon, N.M., 89

Gilbert, B.E., see Wyde, P.R., 15
Hada, M., see Hattori, T., 255
Harrison, C.J., see Starberry, L.R., 215

Hasegawa, A., see Ikeda, S., 173
Hatano, T., see Fukuchi, K., 285
Hattori, T., Ikematsu, S., Koito, A., Matsushita, S., Maeda, Y., Hada, M., Fujimaki, M. and Takatsuki, K.
Preliminary evidence for inhibitory effect of glycyrrhizin on HIV replication in patients with AIDS, 255
Hazlewood, C., see Garcon, N.M., 89
Herdewijn, P., see Balzarini, J., 161

Herrmann, J.E., Burns, M., West, K. and Enniss, F.A.
Efficacy of rimantadine hydrochloride in the treatment of influenza infection of mice, 127

Hill, D.L., see Zeidner, N.S., 147 Homma, J.Y., see Ideka, S., 173 Hoover, E.A., see Zeidner, N.S., 147 Hsiung, G.D., see Hu, J.M., 217 Hu, J.M. and Hsiung, G.D. Evaluation of new antiviral agents: I

Evaluation of new antiviral agents: I. In vitro perspectives, 217
Humphreys, C.R., see Zwartouw, H.T., 279

Ichikawa, S., see Fukuchi, K., 285
Ikeda, S., Tominaga, T., Nishimura, C.,
Homma, J.Y., Kiso, M. and Hasegawa, A.
Antiherpes activity of chemically synthesized
lipid A-subunit analogue GLS-60 in immunosuppressed mice, 173
Ikematsu, S., see Hattori, T., 255

Inoue, S., see Fukuchi, K., 285 Inoue, Y., see Fukuchi, K., 285 Inoue, Y., p. 325

Joncas, J.H., see Brisebois, J.J., 67

Keefer, M.C., see Reuman, P.D., 27
Kiso, M., see Ikeda, S., 173
Knight, V., see Garcon, N.M., 89
Koito, A., see Hattori, T., 255
Konno, K., see Fukuchi, K., 285
Kopecka, H., see Lopez Pila, J.M., 47
Kovács, L., see Nagy, P.D., 41
Kubar, O.I., Brjantseva, E.A., Nikitina, L.E. and Zlydnikov, D.M.

The importance of virus drug-resistance in the treatment of influenza with rimantadine, 313

Lindemans, J., see De Man, R.A., 181
Lopez Pila, J.M., Kopecka, H. and Vanden Berghe, D.
Lack of evidence for strand-specific inhibition of poliovirus RNA synthesis by 3-methylquercetin (Short Communication), 47
Lopez-Bernstein, G., see Pontani, D.R., 119

Meada, Y., see Hattori, T., 255
Matsushita, S., see Hattori, T., 255
Mitchell, .M., see Montefiori, D.C., 137
Montefiori, D.C., Robinson, Jr., W.E. and Mitchell, W.M.
Antibody-independent, complement-mediated enhancement of HIV-1 infection by mannoside I and II inhibitors, 137
Morse, G.D., Olson, J., Portmore, A., Taylor,

C., Plank, C. and Reichman, R.C.
Pharmacokinetics of orally administered zidovudine among patients with hemophilia and asymptomatic human immunodeficiency virus (HIV) infection, 57

Mullins, J.I., see Zeidner, N.S., 147 Myers, M.M., see Starberry, L.R., 215

Nagy, P.D., Gáborjányi, R., Kovács, L. and Farkas, I.
Antiviral activity of tiazofurine against barley stripe mosaic virus (Short Communication), 41

Nakashima, H., Yoshida, O., Baba, M., De Clercq, E. and Yamamoto, N. Anti-HIV activity of dextran sulphate as determined under different experimental conditions, 233

Nikitina, L.E., see Kubar, O.I., 313

Nishimura, C., see Ikeda, S., 173
Nokta, M.A. and Pollard, R.B.
Differential reconstitution of zidovudine-induced inhibition of mitogenic responses by interleukin-2 in peripheral blood mononuclear cells from patients with human immunodeficiency virus infection, 191
Nonoyama, M., see Fukichi, K., 295

Okuda, T., see Fukuchi, K., 285 Olson, J., see Morse, G.D., 57 Orsi, N., see Superti, F., 247 Ott, G., see Starberry, L.R., 215

Panà, A., see Superti, F., 247
Perigo, N.A., see Zeidner, N.S., 147
Plank, C., see Morse, G.D., 57
Plescia, O.J., see Pontani, D.R., 119
Pollard, R.B., see Nokta, M.A., 191
Pontani, D.R., Sun, D., Brown, J.W., Shahied, S.I., Plescia, O.J., Schaffner, C.P., Lopez-Bernstein, G. and Sarin, P.S.
Inhibition of IV replication by liposomal encapsulated amphotericin B, 119
Portmore, A., see Morse, G.D., 57

Reichman, R.C. and Strike, D.G.

Pathogenesis and treatment of human genital papillomavirus infections: a review, 109

Reichman, R.C., see Morse, G.D., 57

Reuman, P.D., Bernstein, D.I., Keefer, M.C., Young, E.C., Sherwood, J.R. and Sciff, G.M. Efficacy and safety of low dosage amantadine hydrochloride as prophylaxis for influenza A, 27

Robinson, Jr., W.E., see Montefiori, D.C., 137 Rossman, M.G.

The structure of antiviral agents that inhibit

The structure of antiviral agents that inhibit uncoating when complexed with viral capsids, 3

Ruggiero, V., Antonelli, G., Conciatori, G., Gentile, M., Van Damme, J. and Dianzani, F. The in vitro antiviral activity of tumor necro-

sis factor (TNF) in WISH cells is mediated by

IFN-β induction, 77

Sakagami, H., see Fukuchi, K., 285 Sarin, P.S., see Pontani, D.R., 119 Schaffner, C.P., see Pontani, D.R., 119 Schalm, S.W., see De Man, E.A., 181 Schiff, G.M., see Reuman, P.D., 27 Schuster, G., Davarsky, K.A. and Vassilev, G.N. Enhanced inhibition of plant virus replication by pyridylthiourea compounds complexed with metal ions (Short Communication), 307

Seganti, L., see Superti, F., 247 Shahied, S.I., see Pontani, D.R., 119

Shanley, J.D. and Debs, R.J.

the folate antagonist, methotrexate, is a potent inhibitor of murine and human cytomegalovirus in vitro, 99

Sherwood, J.R., see Reuman, P.D., 27

Shukla, R., see Starberry, L.R., 215

Six, H.R., see Garcon, N.M., 89

Smith, K.M., see Tabba, H.D., 263

Starberry, L.R., Harrison, C.J., Bernstein, D.I., Burke, R.L., Shukla, R., Ott, G. and Myers, M.M.

Herpes simplex glycoprotein immunotherapy of recurrent genital herpes: factors influencing efficacy, 215

Stein, P.L., see Superti, F., 247

Strike, D.G., see Reichman, R.C., 109

Strobel, J.D., see Zeidner, N.S., 147

Sun, D., see Pontani, D.R., 119 Superti, F., Seganti, L., Orsi, N., Divizia, M.,

Superti, F., Seganti, L., Orsi, N., Divizia, M., Gabrieli, R., Panà, A., and Stein, P.L. Effect of isoflavans and isoflavenes on the infection of Frp/3 cells by hepatitis A virus, 247

Tabba, H.D., Chang, R.S. and Smith, K.M. Isolation, purification, and partial characterization of prunellin, an anti-HIV component from aqueous extracts of *Prunella vulgaris*, 263 Takatsuki, K., see Hattori, T., 255 Tanuma, S.-i., see Fukuchi, K., 285 Taylor, C., see Morse, G.D., 57 Ten Kate, F.J.W., see De Man, R.A., 181 Tominaga, T., see Ikeda, S., 173

Van Damme, J., see Ruggiero, V., 77 Vanden Berghe, D., see Lopez Pila, J.M., 47 Vassilev, G.N., see Schuster, G., 307

West, K., see Herrmann, J.E., 127
Wyde, P.R., Gilbert, B.E. and Ambrose, M.W.
Comparison of the anti-respiratory syncytical virus activity and toxicity of papaverine hydrochloride and pyrazofurin in vitro and in vivo, 15

Yamamoto, N., see Nakashima, H., 233 Yoshida, O., see Nakashima, H., 233 Young, E.C., see Reuman, P.D., 27

Zeidner, N.S., Strobel, J.D., Perigo, N.A., Hill, D.L., Mullins, J.I. and Hoover, E.A. Treatment of FeLV-induced immunodeficiency syndrome (FeLV-FAIDS) with controlled release capsular implantation of 2'-3'-dideoxycytidine, 147

Zlydnikov, D.M., see Kubar, O.I., 313 Zwartouw, H.T., Humphreys, C.R. and Col-

lins, P.

Oral chemotherapy of fatal B virus (herpes virus simiae) infection, 279



Subject Index

AIDS, HIV-1, Glycyrrhizin, Antigen, p24, 255 AIDS, ZDV, IL-2, HIV, 191

Acyclovir, Herpes simplex virus, α -Interferon, Sensitivity, 67

Acyclovir, Herpes simplex virus type 1, Ganciclovir, B virus

Aerosol, Enviroxime, Liposome, Lecithin, 89Amphotericin B, Inhibition of HIV replication,Liposomal encapsulated drug, 119

Anti-HIV activity, Dextran sulphate, Anti-HIVC-1 serum, Sulphated polysaccharide, 233

Anti-HIV compound, Prunella vulgaris, Polysaccharide, Purification, Chromatography, Spectroscopy, 263

Anti-HIV-1 serum, Anti-HIV activity, Dextran sulphate, Sulphated polysaccharide, 233

Antigen, p24, AIDS, HIV-1, Glycyrrhizin, 255 Antiparallel β-barrel, Hydrophobic pocket, Viral capsid protein, Inhibition of uncoating, 3

Antiphytoviral substance, Pyridylthiourea, 2,4-Dioxohexahydro-1,3,5-triazine, Potato virus X, 307

Antiviral therapy, Feline leukemia virus, Immunodeficiency, 147

Antiviral therapy, Hepatitis B, β₂-Microglobulin, HBV-DN1-polymerase, 181

Antiviral agent, Chemotherapy, Test method, 217

3' -Azido-2, 6-diaminopurine-2', 3'-dideoxyriboside (AzddDAPR), Ribavirin, 2';3'-Dideoxynucleoside, Human immunodeficiency virus (HIV), Moloney murine sarcoma virus (MSV), 161

Barley stripe mosaic virus, Plant virus, Tiazofurine, 41

Chemotherapy, Antiviral agent, Test method,

Chromatography, Prunella vulgaris, Polysaccharide, Anti-HIV compound, Purification, Spectroscopy, 263

Complement, HIV infection-enhancement, Glycosylation, 137

Dextran sulphate, Anti-HIV activity, Anti-HIV-1 serum, Sulphated polysaccharide, 233

6,4'-Dichloroflavan, Hepatitis A virus, Isoflavan, isoflavene, 247

2,'3'-Dideoxynucleoside, 3'-Azido-2,6-diaminopurine-2',3'-diceoxyriboside (AzddDAPR), Ribavirin, Human immunodeficiency virus (HIV), Moloney murine sarcoma virus (MSV), 161

2,4-Dioxohexahydro-1,3,5-triazine, Antiphytoviral substance, Pyridylthiourea, Potato virus X, 307

Enviroxime, Liposome, Aerosol, Lecithin, 89

Feline leukemia virus, Immunodeficiency, Antiviral therapy, 147

Gaanciclovir, Herpes simplex virus type 1, Acyclovir, B virus

Genital herpes, HSV-1, Glycoprotein, Guinea pig, 203

Glycoprotein, HSV-1, Genital herpes, Guinea pig, 203

Glycosylation, HIV infection-enhancement, Complement, 137

Glycyrrhizin, AIDS, HIV-1, Antigen, p24, 255Guanidine, Poliovirus, 3-Methylquercetin, Plusstrand RNA, Minus-strand RNA, 47

Guinea pig, HSV-1, Glycoprotein, Genital herpes, 203

HBV-DNA-polymerase, Hepatitis B, Antiviral therapy, β₂-Microglobulin, 181

HIV infection-enhancement, glycosylation, Complement, 137

HIV, Susceptibility to antiviral agents, 299

HIV, ZDV, IL-2, AIDS, 191

HIV-1, AIDS, Glycyrrhizin, Antigen, p25, 255 HPV infection, Pathogenesis, 109

HSV-1, Glycoprotein, Genital herpes, Guinea pig. 203

Hemophilia, Zidovudine, Human immunodeficiency virus infection, 57

Hepatitis A virus, Isoflavan, Isoflavene, 6,4'-Dichloroflavan, 247

Hepatitis B, Antiviral therapy, β₂-Microglobulin, HBV-DNA-polymerase, 181

Herpes simplex virus, Acyclovir, α-Interferon, Sensitivity, 67

Herpes simplex virus, Lipid A analogue, Immunocompromised host, Immunomodulator, 173

Herpes simplex virus type 1, Acyclovir, Ganciclovir, B virus

Herpes simplex virus, Tannin, Virus adsorption,

Human cytomegalovirus, Methotrexate, Murine cytomegalovirus, 99

Human immunodeficiency virus infection, Zidovudine, Hemophilia, 57

Human immunodeficiency virus (HIV),

3'-Azido-2,6-diaminopurine-2',3'-dideosyriboside (AzddDAPR), Ribavirin, 2,'3'-Dideoxynucleoside, Moloney murine sarcoma virus (MSV), 161

Hydrophobic pocket, Viral capsid protein, Antiparallel β-barrel, Inhibition of uncoating, 3

IFN-B₂, TNF, IL-6, 2-5A synthetase, 77 IL-6, TNF, IFN-B², 2-5A synthetase, 77 IL-2, ZDV, AIDS, HIV, 191

Immunocompromised host, Lipid A analogue, Herpes simplex virus, Immunomodulator, 173

Immunodeficiency, Feline leukemia virus, Antiviral therapy, 147

Immunomodulator, Lipid A analogue, Herpes simplex virus, Immunocompromised host, 173

Influenza A, Low dose amantadine, 27

Influenza A virus, Rimantadine HCl, 127Influenza A, Rimantadine, Virus drug-resistance, 313

Inhibition of uncoating, Hydrophobic pocket, Viral capsid protein, Antiparallel β-barrel, 3 Inhibition of HIV replication, Amphotericin B,

Liposomal encapsulated drug, 119 α-Interferon, Herpes simplex virus, Acyclovir, Sensitivity, 67

Isoflavan, Hepatitis A virus, Isoflavene, 6,4'-Dichloroflavan, 247

Isoflavene, Hepatitis A virus, Isoflavan, 6,4'-Dichloroflavan, 247

Lecithin, Enviroxime, Liposome, Aerosol, 89
Lipid A analogue, Herpes simplex virus, Immunocompromised host, Immunomodulator, 173

Liposomal encapsulated drug, amphotericin B, Inhibition of HIV replication, 119

Liposome, Enviroxime, Aerosol, Lecithin, 89 Low dose amantadine, Influenza A, 27

Methotrexate, Human cytomegalovirus, Murine cytomegalovirus, 99

3-Methylquercetin, Poliovirus, Guanidine, Plusstrand RNA, Minus-strand RNA, 47

B₂-Microglobulin, Hepatitis B, Antiviral therapy, HBV-DNA-polymerase, 181

Minus-strand RNA, Poliovirus, 3-Methylquercetin, Guanidine, Plus-strand RNA, 47 Moloney murine sarcoma virus (MSV), 3'-Azido-2,6-diaminopurine-2',3'-dideoxyriboside (AzddDAPR), Ribavirin, 2,'3'-Dideoxynucleoside, Human immunodeficiency virus (HIV), 161

Murine cytomegalovirus, Methotrexate, Human cytomegalovirus, 99

Papaverine, Pyrazofurin, Respiratory syncytial virus, 15

Pathogenesis, HPV infection, 109

Plant virus, Barley stripe mosaic virus, Tiazofurine, 41

Plus-strand RNA, Poliovirus, 3-Methylquercetin, Guanidine, Minus-strand RNA, 47

Poliovirus, 3-Methylquercetin, Guanidine, Plusstrand RNA, Minus-strand RNA, 47

Polysaccharide, Prunella vulgaris, Anti-HIV compound, Purification, Chromatography, Spectroscopy, 263

Potato virus X, Antiphytoviral substance, Pyridylthiourea, 2,4-Dioxohexahydro-1,3,5-triazine, 307

Prunella vulgaris, Polysaccharide, Anti-HIV compound, Purification, Chromatography, Spectroscopy, 263

Purification, Prunella vulgaris, Polysaccharide, Anti-HIV compound, Chromatography, Spectroscopy, 263

Pyrazofurin, Papaverine, Respiratory syncytial virus, 15

Pyridylthiourea, Antiphytoviral substance, 2,4-Dioxohexahydro-1,3,5-triazine, Potato virus X, 307

Respiratory syncytial virus, Pyrazofurin, Papaverine, 15

Ribavirin, 3'-Azido-2,6-diaminopurine-2',3'-dideoxyriboside (AzddDAPR), 2,'3'-Dideoxynucleoside, Human Immunodeficiency virus (HIV), Moloney murine sarcoma virus (MSV), 161

Rimantadine HCl, Influenza A virus, 127 Rimantadine, Influenza A, Virus drug-resistance, 313

Sensitivity, Herpes simplex virus, Acyclovir, α -Interferon, 67

Spectroscopy, Prunella vulgaris, Polysaccharide, Anti-HIV compound, Purification, Chromatography, 263

Sulphated polysaccharide, Anti-HIV activity, Dextran sulphate, anti-HIV-1 serum, 233 Susceptibility to antiviral agents, HIV, 299

2-5A synthetase, TNF, IFN-B2, IL-6, 77

TNF, IFN-B₂, IL-6, 2-5A synthetase, 77

Tannin, Herpes simplex virus, Virus adsorption, 285

Test method, Chemotherapy, Antiviral agent, 217

Tiazofurine, Plant virus, Barley stripe mosaic virus, 41

Viral capsid protein, Hydrophobic pocket, Antiparallel B-barrel, Inhibition of uncoating, 3 Virus adsorption, Tannin, Herpes simplex virus, 285

Virus drug-resistance, Rimantadine, Influenza A, 313

ZDV, IL-2, AIDS, HIV, 191
Zidovudine Hemophilia Human immuno

Zidovudine, Hemophilia, Human immunodeficiency virus infection, 57